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PURPOSE

The purpose of this regulation is to document the requirements for the submittal of plans/permits for fire suppression systems including, but not limited to; fire sprinkler, fire alarm, fire service line extension and/or remote FDC, and hood suppression systems. This procedure will assure consistency, accuracy, and assure plans/permits to be reviewed in a timely fashion.

REGULATION

FIRE SERVICE LINE EXTENSION AND/OR REMOTE FIRE DEPARTMENT CONNECTION (FDC):

The following is required for plan submittal:

- A completed fire permit application referencing the State of Arizona licensed installing contractor
- A completed Fire Service Line Extension and/or Remote Fire Department Connection Submittal Handout
- One set of City of Goodyear approved civil plans referencing the fire loop
- Two complete sets of plans designed by the State of Arizona licenced installing contractor whose licence allows them to install on site water for fire sprinkler systems
- The Fire Service Line Extension (FSLE) and/or Remote Fire Department Connection (FDC) shall be designed to the 2006 Edition of the International Fire Code (IFC) with amendments, City of Goodyear Engineering Design Standards and Policy Manuel and the 2002 Edition of NFPA 24, and 2002 Edition of NFPA 13.

FIRE PUMP OR AUXILLIARY WATER SUPPLY- NEW CONSTRUCTION

The following is required for Plan Submittal:

- Two sets of complete fire sprinkler plans. Complete set of plans includes the Engineer's design* with signed/dated (including expiration date) seal affixed by an Arizona Registered Professional Engineer and installer's shop drawings(shop drawings may have a dated review certification and signature of a minimum level III NICET certified engineering technician. Accompanying the shop drawings shall be a stamp on the drawings or sealed letter from the design professional in responsible charge stating the shop drawings have been reviewed and have been found in general compliance to the design documents), or shall be sealed by an Arizona Registered Professional Engineer.
- One <u>complete</u> set of manufacture's fire pump design specifications in booklet form.
- One set of supply calculations
- One set of manufacturer's cut sheets
- A flow test completed within six months of submittal

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- Design to NFPA 22 for private supply.
- Provide fire protection connection details.
- A completed fire permit application
- Submit to Building Safety the following: Plumbing, Electrical, and Structural plans.

FIRE SPRINKLER PLANS/PERMITS - NEW CONSTRUCTION:

The following is required for Plan Submittal:

- Two sets of complete fire sprinkler plans. Complete set of plans includes the Engineer's design* with signed/dated (including expiration date) seal affixed by an Arizona Registered Professional Engineer and installer's shop drawings(shop drawings may have a dated review certification and signature of a minimum level III NICET certified engineering technician. Accompanying the shop drawings shall be a stamp on the drawings or sealed letter from the design professional in responsible charge stating the shop drawings have been reviewed and have been found in general compliance to the design documents), or shall be sealed by an Arizona Registered Professional Engineer. NFPA 13-D and 13-R systems may have a dated review certification and signature of a minimum level III NICET certified engineering technician (CET) or shall be sealed by an Arizona Registered Professional Engineer.
- One <u>complete</u> set of architectural building plans.
- One set of hydraulic calculations.
- One set of manufacturer's cut sheets.
- A completed fire permit application.

FIRE SPRINKLER PLANS/PERMITS - TENANT IMPROVEMENTS:

The following is required for Plan Submittal:

- Two sets of complete fire sprinkler plans. Complete set of installer's shop drawings with a minimum NICET level III or IV certified engineering technician stamp.
- One complete set of architectural building plans, reflecting all improvement to the tenant space.
- One complete set of originally approved fire sprinkler plans for the shell building, with the City
 of Goodyear approval stamp affixed.
- One set of hydraulic calculations, if modification affects the hydraulically calculated design area.
- One set of manufacturer's cut sheets.
- A completed fire permit application.

^{*}Per Arizona Board of Technical requirements for Fire sprinkler design. Visit the BTR Website www.btr.state.az.us for specific requirements.

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FIRE ALARM PLANS/PERMITS - NEW CONSTRUCTION:

The following is required for Plan Submittal:

- Two sets of complete fire alarm plans. Complete set of plans includes engineer's design* with signed/dated (including expiration date) seal affixed by an Arizona Registered Professional Engineer and installer's shop drawings (shop drawings may have a dated review certification and signature of a minimum level III NICET certified engineering technician. Accompanying the shop drawings shall be a stamp on the drawings or sealed letter from the design professional in responsible charge stating the shop drawings have been reviewed and have been found in general compliance to the design documents), or shall be sealed by an Arizona Registered Professional Engineer.
- One <u>complete</u> set of architectural building plans.
- One set of manufacturer's cut sheets.
- A completed fire permit application.

FIRE ALARM PLANS/PERMITS - TENANT IMPROVEMENTS:

The following is required for Plan Submittal:

- Two sets of **complete** fire alarm plans. Complete set of installer's shop drawings with a minimum NICET level III or IV certified engineering technician stamp.
- One <u>complete</u> set of architectural building plans, reflecting all improvements to the tenant space.
- One complete set of originally approved fire alarm plans for the shell building, with the City of Goodyear fire plans examiners approval stamp affixed.
- One set of manufacturer's cut sheets.
- A completed fire permit application.

^{*} Per Arizona Board of Technical requirements for Fire alarm design. Visit the BTR Website www.btr.state.az.us for specific requirements.

^{*} When required per Arizona Board of Technical requirements for Fire sprinkler design. Visit the BTR Website www.btr.state.az.us for specific requirements.

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SPECIAL EXTINGUISHING SYSTEMS PLANS/PERMITS:

The following is required for Plan Submittal:

Hood Systems and Special Agent Systems

- Two copies of the Installer's layout of the hood suppression systems (plans are <u>not</u> required to be sealed by an Arizona Design Professional).
- One copy of the architectural building floor plans.
- Completed permit application.

FIRE ALARM/SPRINKLER PLANS/PERMITS—TENANT IMPROVEMENTS NOT REQUIRING A MODIFICATION TO THE EXISTING SYSTEMS (VERIFICATION):

The following is required for Plan Submittal:

- Two copies of the tenant improvement floor plan locating all existing fire alarm devices,
- Two copies of the tenant improvement reflected ceiling plan reflecting location of all fire sprinklers with dimensions to all walls. New walls shall be detailed to include wall heights.
- One copy of the architectural building tenant improvement plans.
- One Completed permit application stating "Verification of existing fire alarm/sprinkler system".

FIRE ALARM/SPRINKLER PLANS/PERMITS – "CHANGE OF <u>OCCUPANT</u> ONLY" NOT REQUIRING A MODIFICATION TO THE EXISTING SYSTEMS AND MEETING THE FOLLOWING CRITERIA:

- C of O has been previously issued to the suite.
- Change of "Occupant" only no change of occupancy or use
- Paint, carpeting, and low movable partitions only
- A "Change of Occupant" building permit will be issued. Both the building inspection and the fire
 inspection will be called (using current inspection request process for both divisions) using the building
 permit number.

HAZARDOUS MATERIALS***

- Inventory disclosure statement.
- Hazardous materials management plan.

FUEL TANKS AND DISPENSER

Temporary construction fuel tanks*** (submit plans to Fire Department)

- Two sets of site plans.
- One set of manufactures tank specifications and product detail.
- Two sets of secondary containment details.

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Above ground and Underground Fuel Tank*** Submit to Fire Department

- Two sets of complete fuel tank and dispenser plans.
- Complete set of plans includes engineer's design* with signed/dated (including expiration date) seal
 affixed by an Arizona Professional Engineer and installer's shop drawings (shop drawings may have a
 dated review certification and signature of a minimum level III NICET certified engineering technician.
- Accompanying the shop drawings shall be a stamp on the drawings or sealed letter from the design
 professional in responsible charge stating the shop drawings have been reviewed and have been found in
 general compliance to the design documents), or shall be sealed by an Arizona Registered Professional
 Engineer.
- One set of manufactures tank specifications and product detail.

Above ground and Underground Fuel Tank*** Submittal to Building Safety

Electrical and structural plans.

LIQUIFIED PETROLEUM GAS INSTALLATION

LPG Tank Installation*** (applies to containers over 125 gallon water capacity and exchange cylinders)

Submit to Fire Department

- Two sets of **complete** fuel tank and dispenser plans.
- Complete set of plans includes engineer's design* with signed/dated (including expiration date) seal affixed by an Arizona Professional Engineer and installer's shop drawings (shop drawings may have a dated review certification and signature of a minimum level III NICET certified engineering technician.
- Accompanying the shop drawings shall be a stamp on the drawings or sealed letter from the
 design professional in responsible charge stating the shop drawings have been reviewed and
 have been found in general compliance to the design documents), or shall be sealed by an
 Arizona Registered Professional Engineer.
- One set of manufactures tank specifications and product detail

When required per Arizona Board of Technical requirements for Fire sprinkler design. Visit the BTR Website www.btr.state.az.us for specific requirements.

*** Indicates the need to obtain a separate Fire Department permit – contact the Fire Department Community Division at 623-932-2300.